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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,323	09/24/2003	Charles Allen Helfinstine	FOUND-0046	5660

49680	7590	07/14/2006
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EXAMINER	
WANG, ALBERT C	

ART UNIT	PAPER NUMBER
2115	

DATE MAILED: 07/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/671,323	Applicant(s) HELFINSTINE ET AL.	
	Examiner Albert Wang	Art Unit 2115	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 17 April 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1,3-23,25-45 and 47-69 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-23,25-45 and 47-69 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This Office action is responsive to the amendment filed 17 April 2006.
2. Applicant's arguments with respect to claims 1, 3-23, 25-45, and 47-69 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Claim Objections***

3. Claim 19 is objected to because of the following informalities: "regarding associated with" is redundant. Claim 67 is objected to because of the following informalities: "two or more of two or more of" is redundant. Appropriate correction is required.

#### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1, 3-11, 14-18, 23, 25-33, 36-40, 45, 47-55, and 58-62, 66-69 are rejected under 35 U.S.C. 102(e) as being anticipated by Kuiawa et al., U.S. Pub. No. 2003/0033550 ("Kuiawa").

As per claim 1, Kuiawa teaches a power management system for a computer system having a plurality of power supplies, the system comprising:

a plurality of first circuits, each of the first circuits responsive to an electrical condition of each of the plurality of power supplies (fig. 1, cables coupling UPS devices 120 to network 110; par. 0017-0019);

a second circuit, responsive and coupled to the plurality of first circuits, that identifies a state associated with a group of two or more of the plurality of power supplies (fig. 2, CPU 202; pars. 0023 & 0033);

a third circuit, responsive and coupled to the second circuit, that communicates the state of the group of two or more of the plurality of power supplies to a user (fig. 2, monitor 218; pars. 0020-0022).

As per claims 3, 4, and 8, Kuiawa teaches said plurality of first circuits comprise lines carrying information associated with a state of said plurality of power supplies and lines carrying information on identification of said plurality of power supplies (pars. 0017-0019, cables such as Ethernet and USB inherently have a plurality of lines; fig. 9, UPS status and identification; par. 0034).

As per claim 5, Ethernet cables convey information in parallel.

As per claim 6, USB cables convey information in a serial fashion.

As per claim 7, Ethernet networks inherently use RJ-45 cables.

As per claims 9 and 11, Kuiawa teaches initiating a visual signal to be sent to an operator (par. 0023).

As per claim 10, Kuiawa teaches writing an entry into a log (fig. 9, log files; pars. 0026-0027).

As per claim 14, Kuiawa teaches communicating upon an occurrence of an event associated with one of said plurality of power supplies (par. 0023).

As per claims 15-17, Kuiawa teaches said event is one of the plurality of power supplies failing to meet a predetermined threshold (par. 0034).

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As per claim 18, Kuiawa teaches information communicated by said third circuit is dependent on the type of event (par. 0023).

As per claim 23, Kuiawa teaches a power management system for a computer system, the system comprising:

- a plurality of means for powering the computer system (fig. 1, UPS devices 120);

- a means for transmitting a plurality of signals indicative of an electrical condition of each of the means for powering (fig. 1, cables coupling UPS devices 120 to network 110; par. 0017-0019);

- a means for monitoring the electrical condition of a group of two or more each of the plurality of means for powering, said means for monitoring coupled to the means for transmitting (fig. 2, CPU 202; pars. 0023 & 0033);

- a means for communicating the state of the group of two or more of the plurality of means for powering to a user, coupled to said means for monitoring (fig. 2, monitor 218; pars. 0020-0022).

As per claims 25-33 and 36-40, since Kuiawa teaches the system of claims 3-11 and 14-18, Kuiawa teaches the claimed system. , 45, 47-55, and 58-62

As per claim 45, Kuiawa teaches a method of managing power for a computer system, the method comprising:

- powering the computer system with a plurality of power supplies (fig. 1, UPS devices 120);

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transmitting a plurality of signals indicative of an electrical condition of each of the power supplies (fig. 1, cables coupling UPS devices 120 to network 110; par. 0017-0019);

monitoring the electrical condition of a group of two or more of the plurality of power supplies (fig. 2, CPU 202; pars. 0023 & 0033);

communicating the state of the group of two or more of the plurality of power supplies to a user (fig. 2, monitor 218; pars. 0020-0022).

As per claims 47-55 and 58-62, since Kuiawa teaches the system of claims 3-11 and 14-18, Kuiawa teaches the claimed method.

As per claim 67, Kuiawa teaches a method of monitoring the power to a computer system, said power supplied by a plurality of power supplies, said method comprising:

generating a state signal indicative of a state of said plurality of power supplies (pars. 0023 & 0033);

generating an identifying signal identifying each of said plurality of power supplies (pars. 0025 & 0034);

monitoring said state signal (par. 0034);

notifying an operator of the computer system, based on an event associated with said state signal (fig. 3, step 304).

As per claim 68, Kuiawa teaches said notifying is performed via a coupling cable having a plurality of lines (fig. 2, cable between video controller 216 and monitor 218).

As per claim 69, Kuiawa teaches transmitting said state signal and said identifying signal (fig. 9, UPS status and identification)

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 12, 34, and 56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuiawa as applied to claims 1, 23, and 45 above, further in view of Giglio et al., U.S. Pub. No. 2004/0039821 ("Giglio").

As per claims 12, 34, and 56, while Kuiawa teaches using alternative forms of electronic messaging (par. 0036), Kuiawa does not expressly teach sending an email to an operator. Giglio teaches sending an email to an operator (par. 0019). At the time of the invention, it would have been obvious to one of ordinary skill in the art to use email as a means of electronic messaging in Kuiawa's system, as email is a well known means in network management for alerting operators.

8. Claims 13, 19-22, 35, 41-44, 57, and 63-65 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuiawa as applied to claims 1, 23, and 45 above, further in view of Hammond et al., U.S. Pub. No. 2005/0071699 ("Hammond").

As per claims 13, 35, and 57, while Kuiawa teaches displaying device properties of a power supply (par. 0031), Kuiawa does not expressly teach conveying information regarding the location of a specific one of said plurality of power supplies. Hammond teaches conveying the location of a specific power supply (pars. 0058-0060). At the time of the invention, it would have been obvious to one of ordinary skill in the art to apply Hammond's conveying location to

Kuiawa's system. A motivation for doing so would have been to facilitate configuration and troubleshooting of the power supplies.

As per claims 19-21, 41-43, and 63-64, Hammond teaches conveying information regarding a location of a specific power supply and regarding a grouping of power supplies (pars. 0058-0060)

As per claims 22, 44, and 65, Kuiawa teaches communicating upon the occurrence of an event associated with a group of said plurality of power supplies (par. 0023)

### *Conclusion*

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Albert Wang whose telephone number is 571-272-3669. The examiner can normally be reached on M-F (9:30 - 6:00).




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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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